

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 August 2001 (30.08.2001)

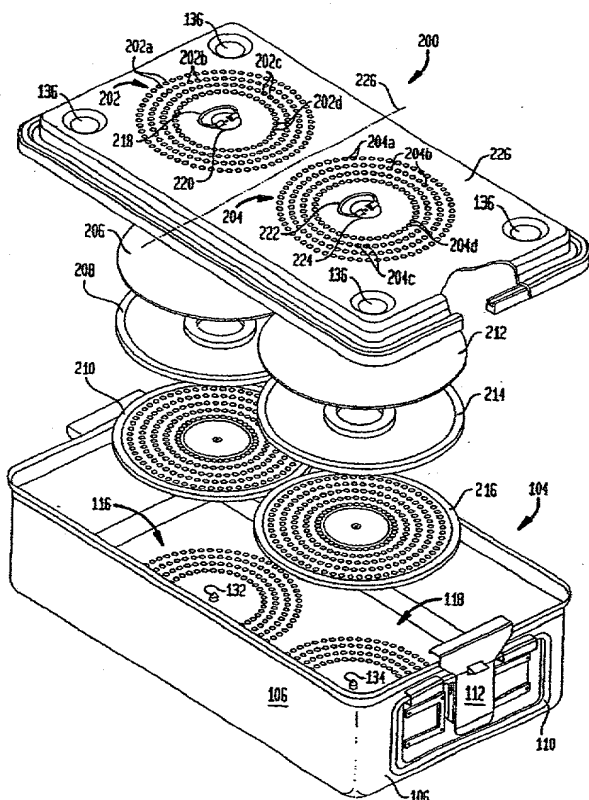
PCT

(10) International Publication Number
WO 01/62302 A2

- (51) International Patent Classification⁷: A61L (74) Agent: WOODBRIDGE, Richard, C.; Woodbridge & Associates, P.C., P.O. Box 592, Princeton, NJ 08542 (US).
- (21) International Application Number: PCT/US01/04786
- (22) International Filing Date: 14 February 2001 (14.02.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/184,299 23 February 2000 (23.02.2000) US
- (71) Applicant (for all designated States except US): CASE MEDICAL INC. [US/US]; 65 Railroad Avenue, Ridgefield, NJ 07657 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FRIEZE, Allan, S. [US/US]; 45 Berkery Place, Alpine, NJ 07620-0472 (US). FRIEZE, Marcia, A. [US/US]; 45 Berkery Place, Alpine, NJ 07620-0472 (US).
- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: FILTERED GAS PLASMA STERILIZATION CONTAINER WITH IMPROVED CIRCULATION



(57) Abstract: A metal sterilization container (10) comprises a pan (12) forming the bottom of the container holding a tray (14), with a cover (16) forming the top of the container, and a filter element (20). The filter (20) covers an opening in the cover (16) so that the inside of the container (10), formed when the cover is removably sealed to the pan (12), can communicate with the atmosphere surrounding the sealed container allowing gas plasma to enter and exit the container passing through the filter (20). Items to be sterilized are placed on the tray (14) and the cover (16) is attached and sealed to the pan (12). The sealed container is then placed in a gas plasma environment. The container is preferably made of aluminum with an anodic coating of 0.5 mils (0.0005 inches) or less with the pan (12) and cover (16) electrically insulated from one another via the coating.

WO 01/62302 A2